

# Annals of Clinical Research

VOLUME 16 • 1984

Editor-in-Chief  
J. K. Huttunen

Assistant Editor  
P. J. Pentikäinen

## INDEX

### NUMBER 1

- N.-P. Huttunen, M.-L. Käär, M. Knip, A. Mustonen, R. Puukka and H. K. Åkerblom (Oulu)  
PHYSICAL FITNESS OF CHILDREN AND ADOLESCENTS WITH INSULIN-DEPENDENT DIABETES MELLITUS ..... 1
- N. Darle, B. Almskog, A. Falk, B. Fredriksen, R. Gamklou, L. Ivarsson and L. Karlström (Göteborg and Mölndal)  
RANITIDINE IN THE TREATMENT OF GASTRIC, PREPYLORIC AND DOUDENAL ULCER — A CONTROLLED PROSPECTIVE DOUBLE-BLIND TRIAL ..... 5
- M. Lilja, M. Hakala and A. J. Jounela (Oulu)  
HYPERTENSION AFTER CLONIDINE OVERDOSE. A case report ..... 10
- I. Penttilä, A. Huhtikangas, J. Herranen, S. Eskelinen and O. Moilanen (Kuopio)  
SIMULTANEOUS MEASUREMENT OF FREE AND ESTERIFIED FATTY ACIDS BY GAS CHROMATOGRAPHY FROM NORMAL AND TYPE IV HYPERLIPOPROTEINAEMIC SERA ..... 13
- H. Leinonen, J. Heikkilä, S. Sundberg and A. Gordin (Helsinki)  
LORCAINIDE IN THE PROPHYLAXIS OF VENTRICULAR ARRHYTHMIAS IN ACUTE MYOCARDIAL INFARCTION ..... 18

H. K. Åkerblom, J. Viikari, M. Uhari, L. Räsänen, P. Suoninen, M. Pietikäinen, E. Pesonen, P.-L. Lähde, M. Dahl, S. Dahlström, M. Ahola, E. Vuori, S. Salmela, T. Nikkari, T. Moilanen, T. Buckling, A. Seppänen, A. Aromaa, S. Sarna and K. Pyörälä (Helsinki, Kuopio, Tampere, Turku and Oulu)	
A STUDY OF CARDIOVASCULAR RISK FACTORS AND THEIR DETERMINANTS IN FINNISH CHILDREN .....	23
J. Karjalainen, M. Viitasalo, R. Kala and J. Heikkilä (Helsinki)	
24-HOUR ELECTROCARDIOGRAPHIC RECORDINGS IN MILD ACUTE INFECTIOUS MYOCARDITIS .....	34
E. Kentala and U. K. Repo (Kiljava)	
FEASIBILITY OF CUTANEOUS BLOOD GAS MONITORING DURING EXERCISE STRESS TESTING .....	40
H. Repo, M. Leirisalo-Repo and P. Koivuranta-Vaara (Helsinki)	
EXAGGERATED INFLAMMATORY RESPONSIVENESS PLAYS A PART IN THE PATHOGENESIS OF HLA-B27 LINKED DISEASES — HYPOTHESIS .....	47
<b>Brief report</b>	
P. Vihko, J. Heikkilä, M. Kontturi, L. Wahlberg and R. Vihko (Oulu)	
RADIOIMAGING OF THE PROSTATE AND METASTASES OF PROSTATIC CARCINOMA WITH <sup>99m</sup> Tc-LABELLED PROSTATIC ACID PHOSPHATASE-SPECIFIC ANTIBODIES AND THEIR Fab FRAGMENTS .....	51

## NUMBER 2

### Special issue on

#### Recent concepts of pathogenesis and treatment of type I diabetes

M. Christy, T. Mandrup-Poulsen and J. Nerup (Gentofte)	
GENETIC MARKERS IN INSULIN-DEPENDENT (TYPE I) DIABETES MELLITUS .....	53
J. Ilonen, A. Mustonen, H. K. Åkerblom and K. Kouvalainen (Oulu and Helsinki)	
IMMUNOLOGICAL FEATURES IN THE COURSE OF TYPE I DIABETES .....	64
H. Yki-Järvinen and V. A. Koivisto (Helsinki)	
INSULIN RESISTANCE IN TYPE I DIABETES: PREVALENCE, PATHOGENESIS AND THERAPEUTIC APPROACHES .....	74
R. A. Gelfand and R. A. DeFronzo (New Haven, CT)	
HYPOGLYCEMIC COUNTERREGULATION IN NORMAL AND DIABETIC MAN .....	84
R. Pelkonen and A. Aro (Helsinki)	
FACTORS PREDICTING REMISSION IN TYPE I DIABETES ....	94
T. Lauritzen and S. Pramming (Copenhagen)	
INSULIN PUMPS — STILL A RESEARCH TOOL? .....	98
R. B. Tattersall and D. K. McCulloch (Nottingham)	
MODERN ASPECTS OF CONVENTIONAL INSULIN THERAPY ..	107

M.-R. Taskinen and L. Groop (Helsinki)

C-PEPTIDE AND FREE INSULIN DETERMINATIONS IN TYPE I DIABETES; RELATIONSHIPS WITH METABOLIC CONTROL AND INSULIN THERAPY .....	118
--	-----

J. Hilsted (Copenhagen)

TESTING FOR AUTONOMIC NEUROPATHY .....	128
--	-----

### NUMBER 3

#### Review articles

J. H. Fuller (London)

THE HAEMOCOAGULATION SYSTEM AND MACROANGIO- PATHY IN INSULIN DEPENDENT (TYPE I) DIABETES .....	137
---	-----

P. Siltanen (Helsinki)

PSYCHOSOMATIC FACTORS IN CORONARY HEART DISEASE	142
---	-----

#### Original reports

T. Videman and K. Österman (Helsinki)

DOUBLE-BLIND PARALLEL STUDY OF PIROXICAM VERSUS INDOMETHACIN IN THE TREATMENT OF LOW BACK PAIN ..	156
--	-----

J. Mustonen (Tampere)

IgA GLOMERULONEPHRITIS AND ASSOCIATED DISEASES ....	161
---	-----

P. Valmari, S. Pöntynen and R. Sunila (Rovaniemi)

ROTAVIRUS INFECTION IN A NEONATAL UNIT .....	167
--	-----

R. Rimón, M. A. Airaksinen, I. Kari, J. Gynther, E. Venäläinen, L. Heikkilä, J. Ryyppö  
and J. Palo (Helsinki, Kuopio, Harjamäki and Uusikaupunki)

PINOLINE, A $\beta$ -CARBOLINE DERIVATIVE IN THE SERUM AND CEREBROSPINAL FLUID OF PATIENTS WITH SCHIZOPHRENIA	171
--	-----

A. J. Jounela, M. Honkala and H. Huikuri (Oulu)

ANTIHYPERTENSIVE EFFECT OF PRIZIDILOL .....	176
---	-----

### NUMBER 4

#### Editorial

A. J. Jounela and M. Lilja

INTERACTIONS BETWEEN BETA-BLOCKERS AND CLONIDINE	181
--	-----

#### Original reports

T. Ihämäki

SUSCEPTIBILITY TO CHRONIC GASTRITIS IN FIRST DEGREE RELATIVES OF GASTRIC CARCINOMA PATIENTS .....	183
--	-----

J. Airaksinen, M. Ikäheimo, J. Kaila, M. Linna-uo and J. Takkunen

SYSTOLIC TIME INTERVALS AND THE QT-QS <sub>2</sub> INTERVAL IN YOUNG FEMALE DIABETICS .....	188
--	-----

K. Villako, T. Ihämäki, A. Tamm and R. Tammur

UPPER ABDOMINAL COMPLAINTS AND GASTRITIS .....	192
--	-----

J. Ostrowski, T. Michalak, B. Zawirska, E. Kostrzevska, M. Blaszczyk and A. Gregor	
THE FUNCTION AND MORPHOLOGY OF THE LIVER IN PORPHYRIA CUTANEA TARDA .....	195
R. Sulkava, J. Jääskeläinen, A. Paetau, V. Valtonen and M. Iivanainen	
FATAL CANDIDA MENINGITIS IN A PREVIOUSLY HEALTHY ADULT .....	201
I. Tigerstedt, M. T. Turunen and J. Hästbacka	
EFFECT OF ANAESTHESIA ON FENTANYL-INDUCED CHANGES IN HUMAN INTRACHOLEDOCHAL PRESSURE .....	204
<b>Brief report</b>	
J. Karvonen, S. Silvennoinen-Kassinen, J. Ilonen, H. Jakkula and A. Tiilikainen	
HLA ANTIGENS IN NICKEL ALLERGY .....	211
ABSTRACTS OF THE 10TH PROGRESS REPORT MEETING OF THE FINNISH CARDIAC SOCIETY .....	213

## NUMBER 5-6

### Special issue on PROSTANOIDS IN CLINICAL MEDICINE

H. Vapaatalo and O. Ylikorkala	
EDITORIAL .....	225
P. Uotila and H. Vapaatalo	
SYNTHESIS, PATHWAYS AND BIOLOGICAL IMPLICATIONS OF EICO- SANOIDS .....	226
P. Koivisto and L. Hyvönen	
EFFECT OF DIETARY FACTORS ON PROSTANOIDS .....	234
S. Moncada and J. R. Vane	
PROSTACYCLIN AND ITS CLINICAL APPLICATIONS .....	241
R. J. Gryglewski and A. Szczeklik	
PROSTACYCLIN IN VASCULAR PATHOLOGY — THERAPEUTIC POS- SIBILITIES .....	253
L. Viinikka	
AN ANTAGONIST OF PROSTAGLANDIN SYNTHESIS IN CARDIOVAS- CULAR DISEASES .....	262
J. Nowak	
EICOSANOIDS AND THE LUNGS .....	269
G. A. Higgs, S. Moncada and J. R. Vane	
EICOSANOIDS IN INFLAMMATION .....	287
P. Rösen and C. Hohl	
PROSTAGLANDINS AND DIABETES .....	300
A. Bennett	
PROSTANOIDS AND CANCER .....	314
M. L. Foegh, M. R. Alijani, G. B. Helfrich and P. W. Ramwell	
EICOSANOIDS AND ORGAN TRANSPLANTATION .....	318
O. Ylikorkala	
PROSTANOIDS IN GYNAECOLOGY .....	324

P. Kääpä	PROSTANOIDS IN NEONATOLOGY .....	330
A. Robert	ON THE MECHANISM OF CYTOPROTECTION BY PROSTAGLANDINS	335
INDEX		

## SUPPLEMENTS

M. Valle (ed.)	TRIBUTE TO PROFESSOR PEKKA VUORIA .....	Suppl. 40
S. Hyvärinen	ARTERIOGRAPHIC FINDINGS OF CLAUDICATION PATIENTS .....	Suppl. 41

# AUTHOR INDEX

Airaksinen J	188	Linnaluoto M	188
Airaksinen MA	171	Lähde PL	23
Alijani MR	318	Mandrup-Poulsen T	53
Almskog B	5	McCulloch DK	107
Aro A	94	Michalak T	195
Aromaa A	32	Moilanen O	13
Bennett A	314	Moilanen T	23
Blaszczyk M	195	Moncada S	241, 287
Buckling T	23	Mustonen A	1, 64
Christy M	53	Mustonen J	161
Dahl M	23	Nerup J	53
Dahlström S	23	Nikkari T	23
Darle N	5	Nowak J	269
DeFronzo RA	84	Ostrowski J	195
Eskelinen S	13	Paetau A	201
Falk A	5	Palo J	171
Foegh ML	318	Pelkonen R	94
Fredriksen B	5	Penttilä I	13
Fuller JH	137	Pietikäinen M	23
Gamklou R	5	Pramming S	98
Galfand RA	84	Puukka R	1
Gordin A	18	Pyörälä K	23
Gregor A	195	Pöntynen S	167
Groop L	118	Ramwell PW	318
Gryglewski RJ	253	Repo H	47
Gynther J	171	Repo UK	40
Hakala M	10	Rimón R	171
Heikkilä J	18, 34, 51	Robert A	335
Heikkilä L	171	Ryppö J	171
Helfrich GB	318	Räsänen L	23
Herranen J	13	Rösen P	300
Higgs GA	287	Salmela S	23
Hilsted J	128	Sarna S	23
Hohl C	300	Siltanen P	142
Honkala M	176	Silvennoinen-Kassinen S	211
Huhtikangas A	13	Sulkava R	201
Huikuri H	176	Sundberg S	18
Huttunen NP	1	Sunila R	167
Hyvärinen S	Suppl. 41	Suoninen P	23
Hyvönen L	234	Szczeklik	253
Hästbacka J	204	Takkunen J	188
Ihamäki T	183, 192	Tamm A	192
Iivanainen M	201	Tammur R	192
Ikäheimo M	188	Taskinen MR	118
Ilonen J	64, 211	Tattersall RB	107
Ivarsson L	5	Tiilikainen A	211
Jakkula H	211	Tigerstedt I	204
Jounela AJ	10, 176, 181	Turunen MT	204
Jääskeläinen J	201	Uotila P	226
Kaila J	188	Valle M	Suppl. 40
Kala R	34	Valmari P	167
Kari I	171	Valtonen V	201
Karjalainen J	34	Vane JR	241, 287
Karlström L	5	Vapaatalo H	225, 226
Karvonen J	211	Venäläinen E	171
Kentala E	40	Videman T	156
Koivisto VA	74	Vihko P	51
Koivistoinen P	234	Vihko R	51
Koivuranta-Vaara P	47	Viikari J	23
Kontturi M	51	Viinikka L	262
Kostrewska E	195	Viitasalo M	34
Kouvalainen K	64	Villako K	192
Knip M	1	Vuori E	23
Kääpä P	330	Wahlberg L	51
Käär ML	1	Yki-Järvinen H	74
Lauritzen T	98	Ylikorkala O	225, 324
Leinonen H	18	Zawirska B	195
Leirisalo-Repo M	47	Åkerblom HK	1, 23, 64
Lilja M	10, 181	Österman K	156

